

1 → 1  
ACCGAGGGAAGGAGGCACACCCGGGGTGGCGCAGTGAGGAGGGGGCGGACGGCCA

58 GGAGGCTGGTGAGCGACACCCAGGCAGGAGAGGGGAAGAACTCTCTCCCTTCTGAAC

118 CCCCTTTCCCTTGAGAGACGAGTTGGGGAGTCCTCCACGCATTACCCACTCGGGCCGCA

178 AAACTCCCTTCTTAGCCCTCTGCCCCCCTTGCTTATAAGCCTTTGAGACCGCAGA  
→ 2

238 AGGACCTTGTGTGAACGGGACGGCCAAAGAGGAAGCCAGATCGCTGAGGGTCCGGTCT

298 CCAGTTGCCCTCCTGCTATATCCATTGGAAGAGAAAGTTTGTGACTTGGGCCCCCAAGT  
→ 3

358 TTTGAGAGAACTGGGCTTTCGGCGGGGGACAGAGGAGGCTCGTGGGAGCTTTCCTCC

418 ATGAGCTTACCCAGCCTGCAGAAGACCTCATCCAGACCCAGCAGACCCCTGCCTCAGAA  
M E L T Q P A E D L I Q T Q Q T P A S E

478 CTTGGGACCCCTGAAGACCCCGGAGAGGAGGCTGCAGATGGCTCAGACACTGTGGTCTC  
L G D P E D P G E E A A D G S D T V V L

538 AGTCTCTTCCCTGCACCCCTGAGCCTGTGAATCCTGAACCGGATGCCAGTGTTCCTCT  
S L F P C T P E P V N P E P D A S V S S

41 → 4  
CCACAGGcagGCAGCTCCCTGAAGCACTCCACCACTCTCACCACCGGAGGAGGAAC  
P Q (A) G S S L K H S T T L T N R Q R G N

Figure 2a

658 GAGGTGTCAGCTCTGCCGGCCACCTAGACTCCCTGTCCATCCACAGCTCGCAGCACAG  
 81 E V S A L P A T L D S L S I H Q L A A Q  
 718 GGGGAGCTGGACCAGCTGAAGGAGCATTTGCCGGAAGGTGACAACTCGTCAACAAGCCA  
 101 G E L D Q L K E H L R K G D N L V N K P  
 778 GACGAGCGGGCTTCACCCCTCATCTGGGCTCCGCCCTTTGGAGAGATTGAGACCGTT  
 121 D E R G F T P L I W A S A F G E I E T V  
 838 CGCTTCCTGCTGGAGTGGGTGCCGACCCACATCCTGGCAAAAGCGAGAGCGGCC  
 141 R F L L E W G A D P H I L A K E R E S A  
 898 CTGTCGCTGGCCAGCACAGCGGCTACACAGACATTGTGGGGCTGCTGTGAGCGGTGAC  
 161 L S L A S T G G Y T D I V G L L L E R D  
 958 GTGGACATCAACATCTATGATTGGAATGGAGGACGCCACTGCTGTACGCTGTGCGCGGG  
 181 V D I N I Y D W N G G T P L L Y A V R G  
 1018 AACACGTGAATGCGTTGAGGCCTTGCTGGCCGAGGCGGTGACCTCACCACCGAAGCC  
 201 N H V K C V E A L L A R G A D L T T E A  
 1078 GACTCTGGCTACACCCCGATGGACCTTGCCGTGGCCCTGGGATACCGGAAGTGCAACAG  
 221 D S G Y T P M D L A V A L G Y R K V Q Q

Figure 2b

1138 GTGATCGAGAACCATCCTCAAGCTCTTCCAGAGCAACCTGGTGCCCGCTGACCCCTGAG  
 241 V I E N H I L K L F Q S N L V P A D P E  
 1198 TGAAGCGCGCCTGCCGGGACTCAGACACTCAGGGAACAAATGGTCAGCCAGAGCTGGG  
 260 \*  
 1258 GAAACCCAGAACTGACTTCAAAGGCAGCTTCTGGACAGGTGGTGGAGGGACCCCTTCCC  
 1318 AAGAGGAACCAATAAACCTTCTGTGCAG - polyA

Figure 2c

sREXANK MELTQPAEDLIQTQTPASELGDPEEGEAAAGSDTVVLSLFPCTPEPVNPEPDASVSS 60  
 mREXANK ---P---V--N-VPN--P-VPD-E---TRD-SPEN-----DA---A---A--- 60  
 s homol NAFNVETEVEHFLAECNIHTSPSPGIQVRHVXTP-T 35  
 m homol ASVLFKAECNIHTSPSPGIQVRHVYTP-T 29

HHHHT HHHHHHHHHT 113  
 PQaGSSLKHSTLTNRQRGNEVSALPATLSLSIHQLAAQGELDQLKEHLRKG..... 119  
 L---F-----TT-LLAN---V-----MLY-ATRIEQ..... 87  
 TKHF-PI-Q-----KH-----TT-LLAN---A-----MLY-ATRIEQ..... 81  
 TKHF-PI-Q-----KH-----TT-LLAN---A-----MLY-ATRIEQ..... 81  
 EA-RA-QD-EVRILMAN-..... 25  
 sREXANK  
 mREXANK  
 s homol  
 m homol  
 ABPβ

ank 1  
 TT HHHHHHHHT HHHHHHHHTTT TT HHHHHHHHT H 170  
 ...DNLVNKPDERTPLIWASAFGEIETVRFLEWGADPHILAKERESALSTGGYT 179  
 lsgN--I-----D-----M----- 144  
 ...E-VI-HT--E-----M--A-H-Q-AV-E---QN---QL-G-G-----CSK--- 138  
 ...E-VI-HT--E-----M--A-H-Q-AV-E---QN---QL-G-G-----CSK--- 138  
 ...APFTT...-WL-TS--HL-AQY-HFS-TEV--RA-VSRDART-VDRTP-HM-ASE-HA 80  
 sREXANK  
 mREXANK  
 s homol  
 m homol  
 ABPβ

Figure 3a

	ank 2	ank 3	
HsREFXANK	HHHHHHHHHH TT TTT HHHHHHHHTT HHHHHHHHTT TT TTT HHHHH		230
MmREFXANK	DIVGLLLERDV DINIYDWNGTPLLAVRGNHVKCEALLARGADLTTEADSGYTPMDLA		239
Hs homol	---R---D-----		204
Mm homol	---XM---DCG---V-X-----H-----KM---ES---P-I-T-----NS---		198
GABPβ	---KM---DCG---V-E-----GH-----KM---EN---P-I-T-----NS---		140
	N---EV---KHGA-V-AK-MLKM-A-HW-TEH---QEV---L-IKY---VH-QSKFCK-AF-IS		

6/19

HsREFXANK	HHTT HHHHHHHH	
MmREFXANK	VALGYRKVQQVIENHILKLFQSNLVPADPE	260
Hs homol	-----M-S-----R-----T-G-V---	269
Mm homol	-----IEVFNRLSHIC	220
GABPβ	-----GCSDYMLVTDVERI	218
	IDN-NEDLAEILQ	153

Figure 3b

7/19

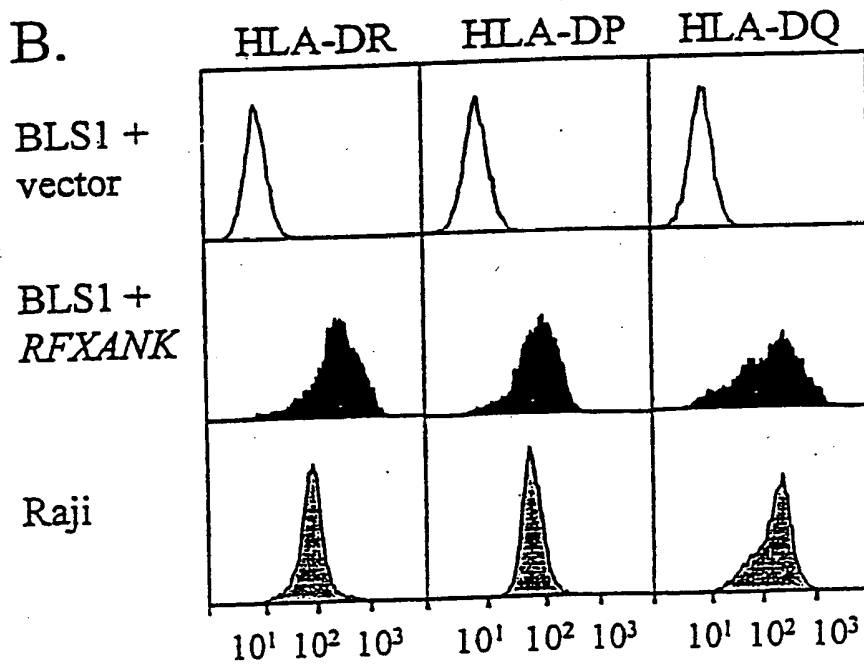
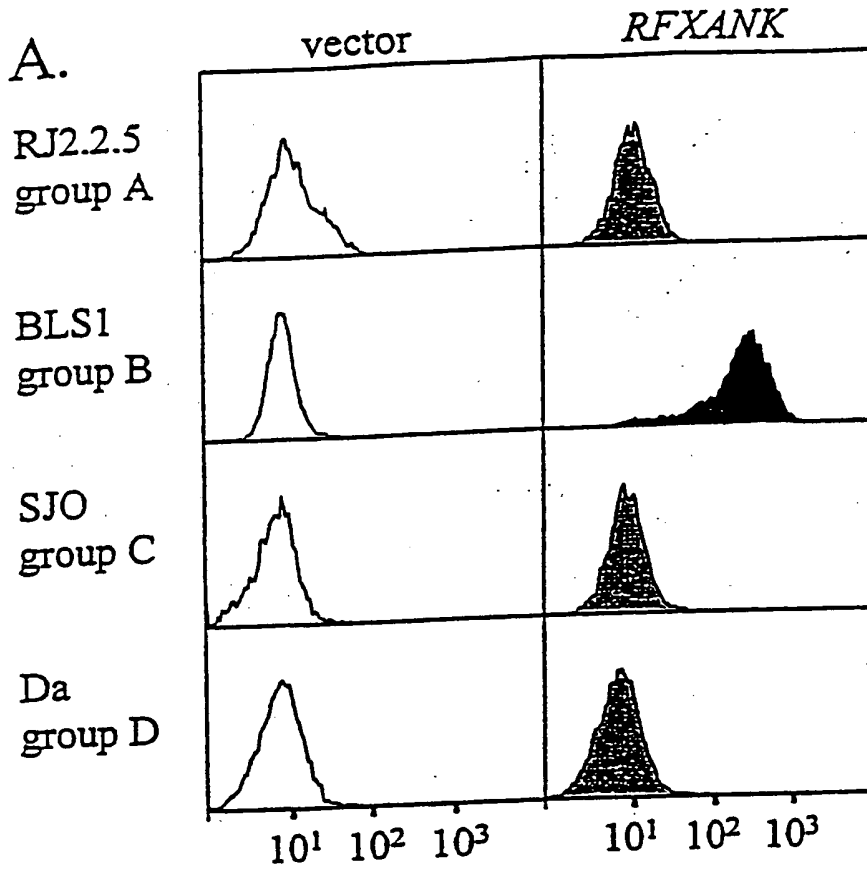
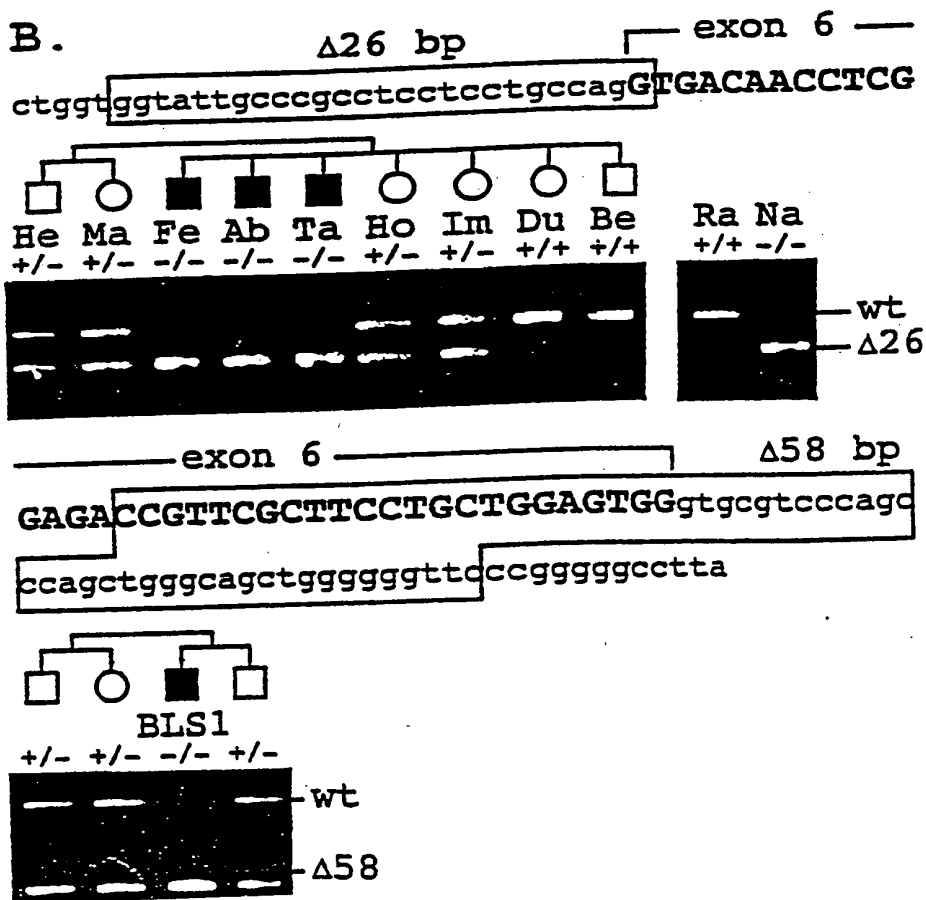
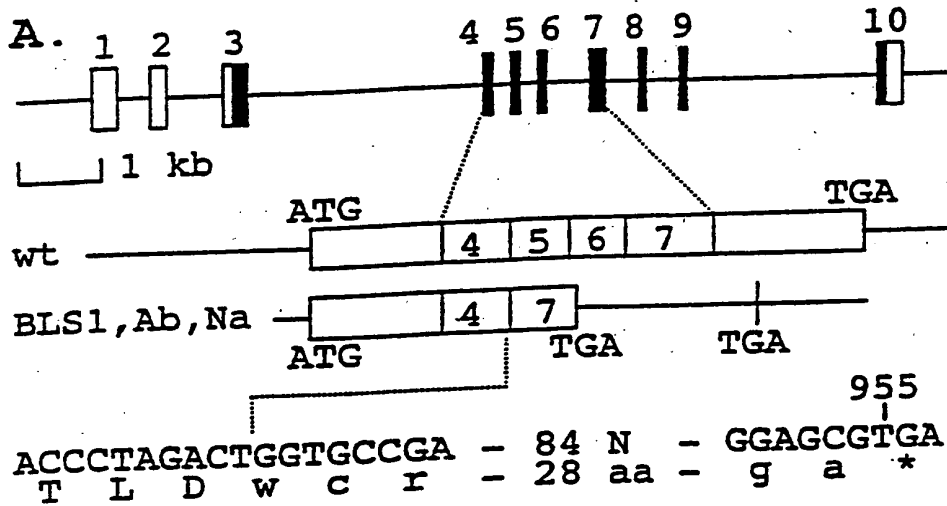


Figure 4

8/19





9/19

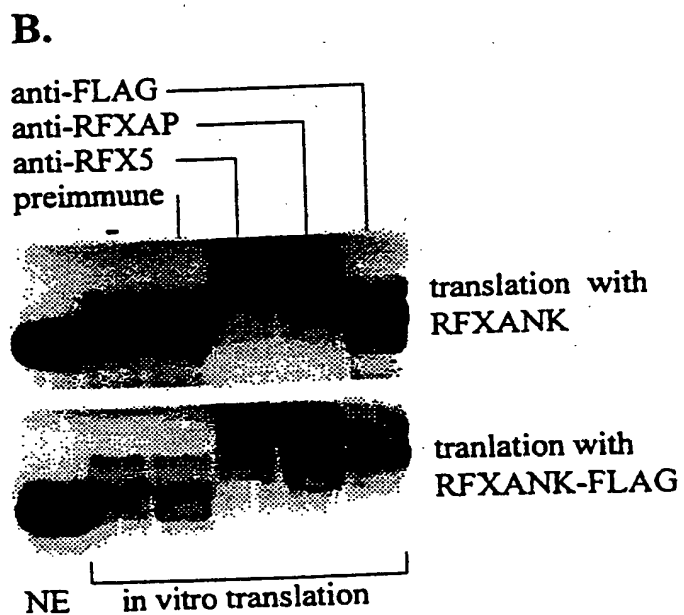
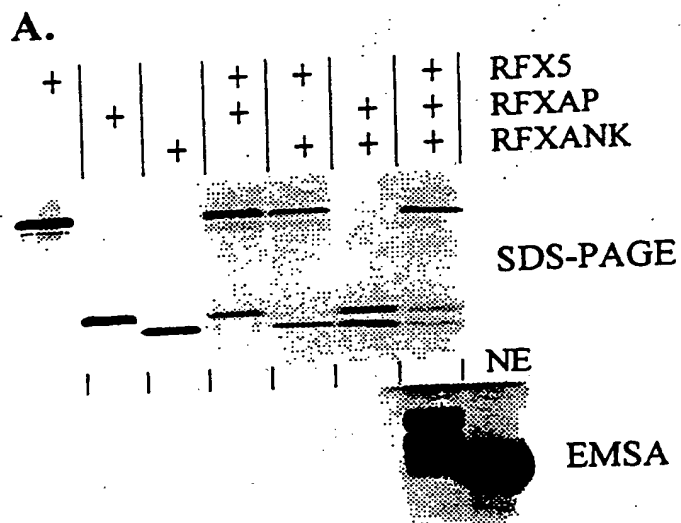


Figure 6

10/19

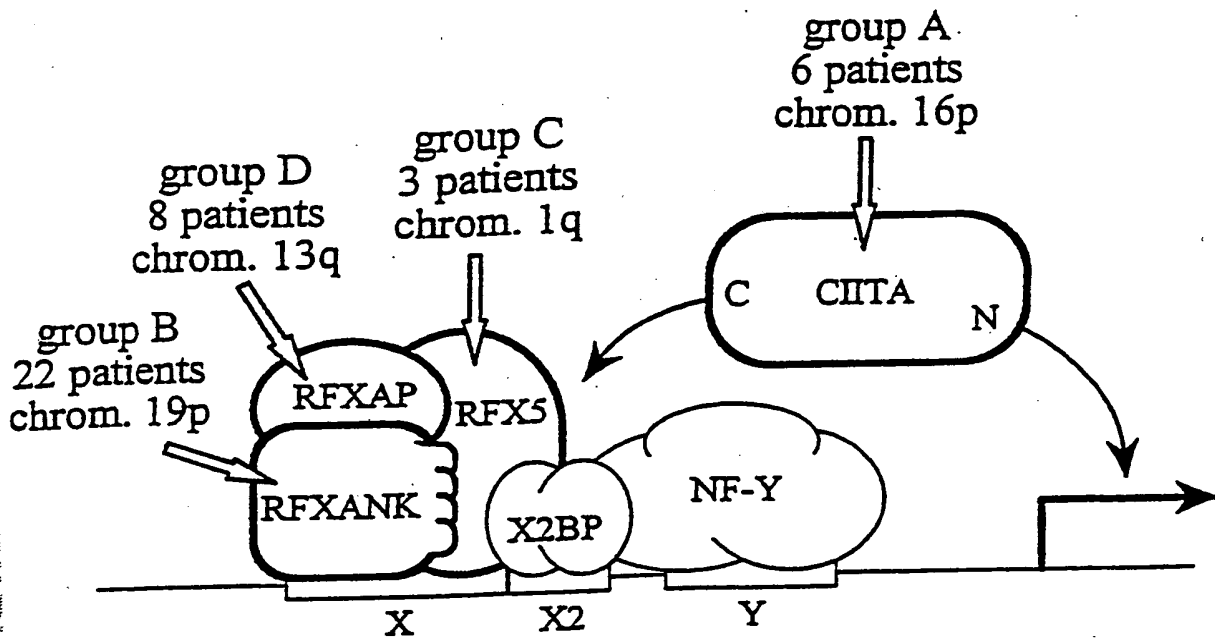


Figure 7

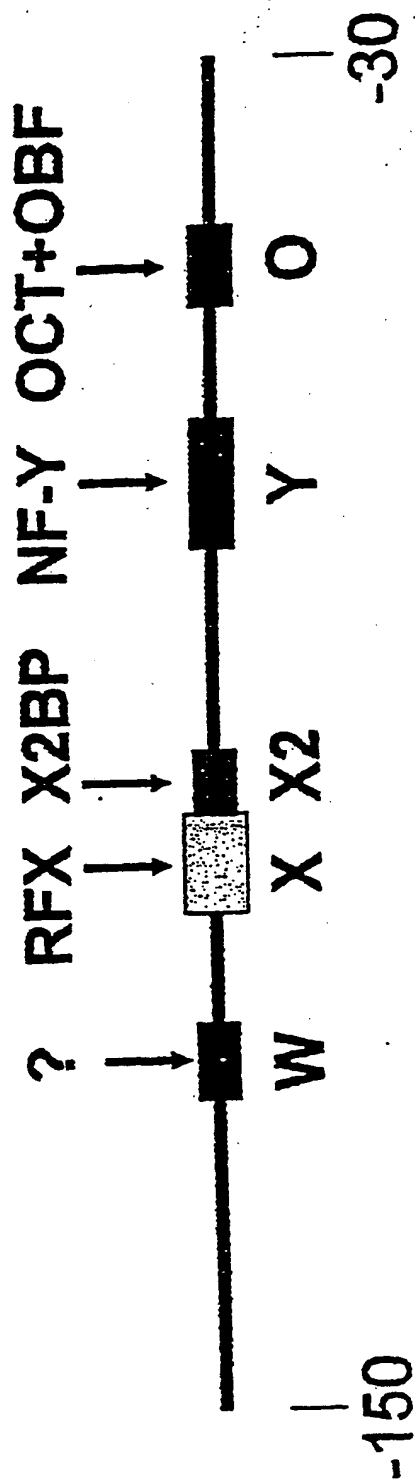


Figure 8

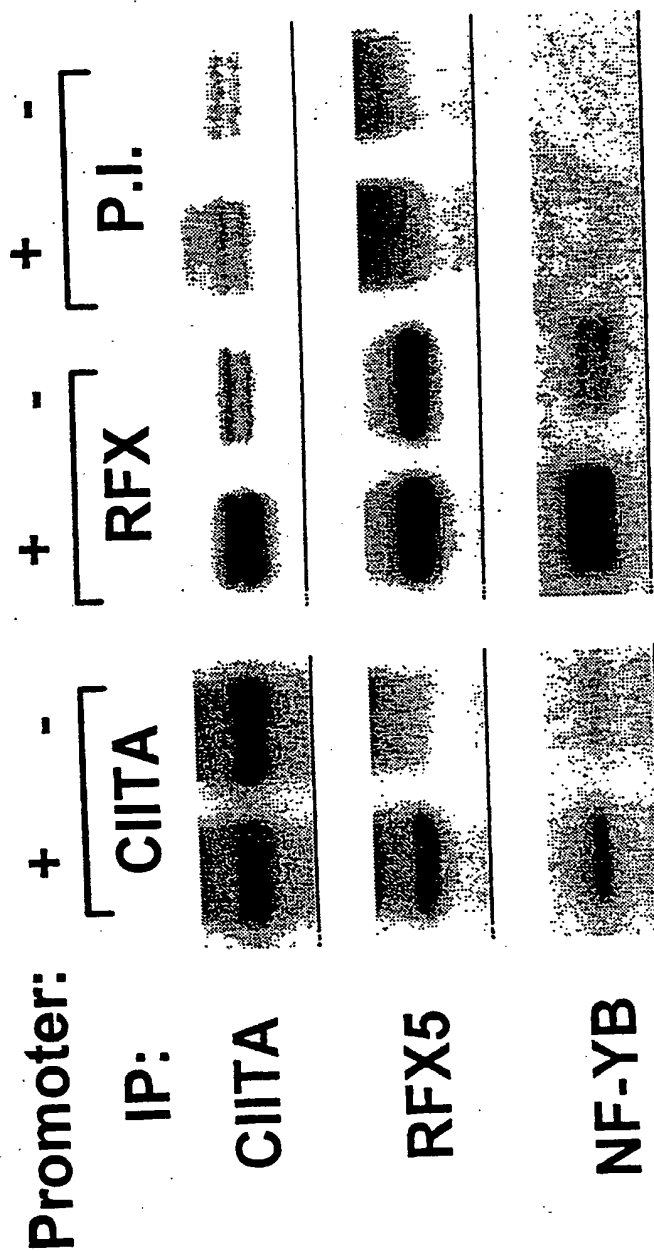


Figure 9



Figure 10a



Figure 10b

15/19

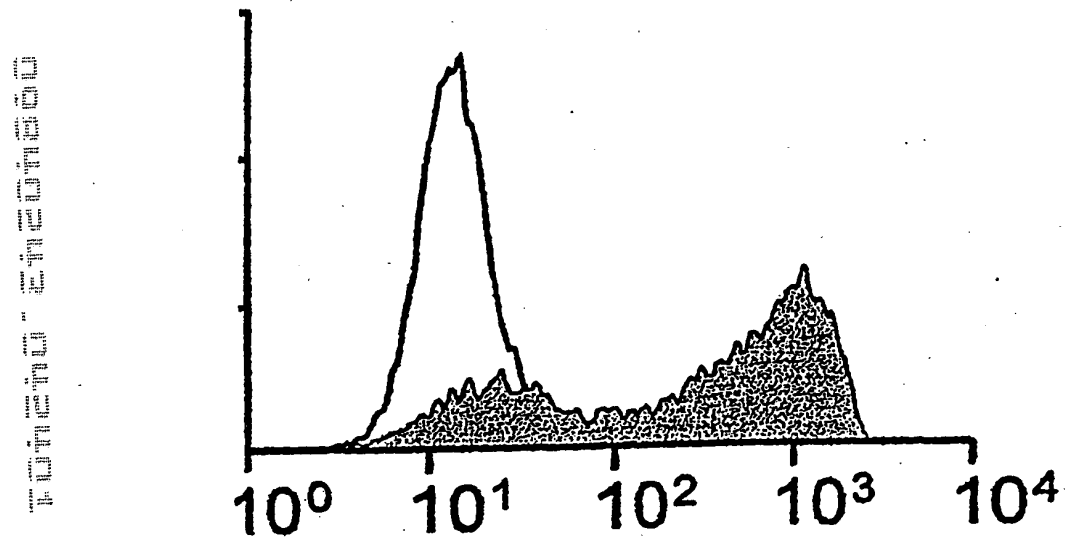


Figure 10c

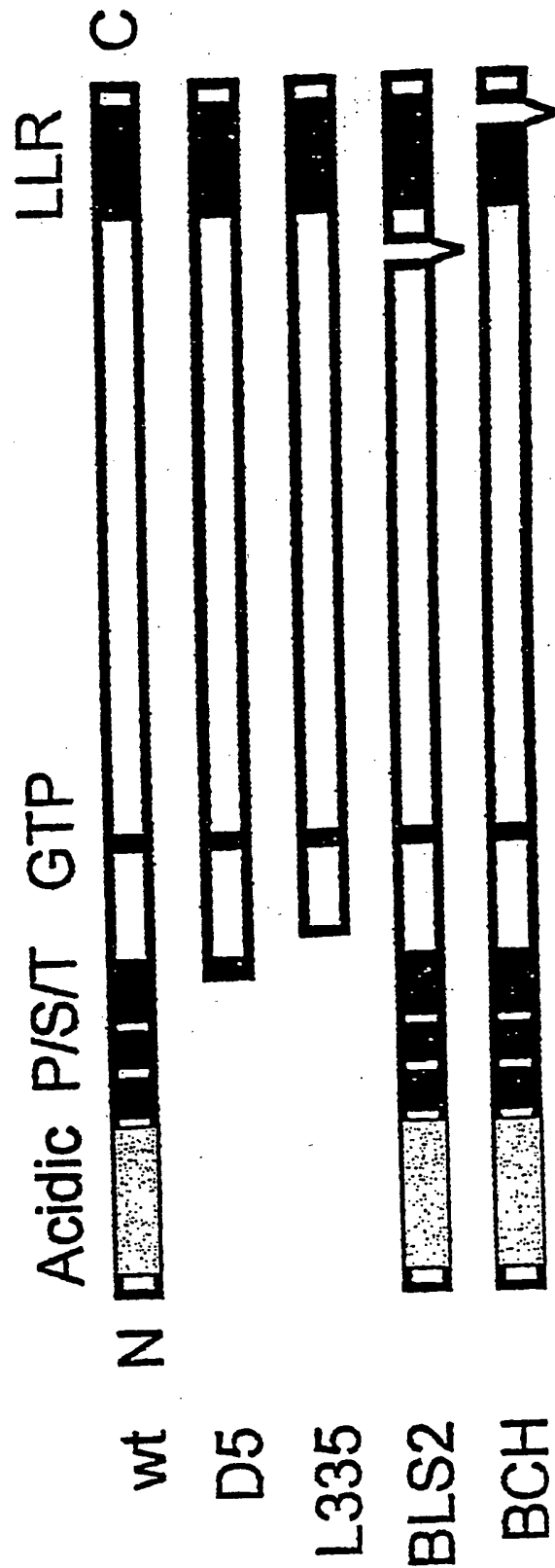


Figure 11a



17/19

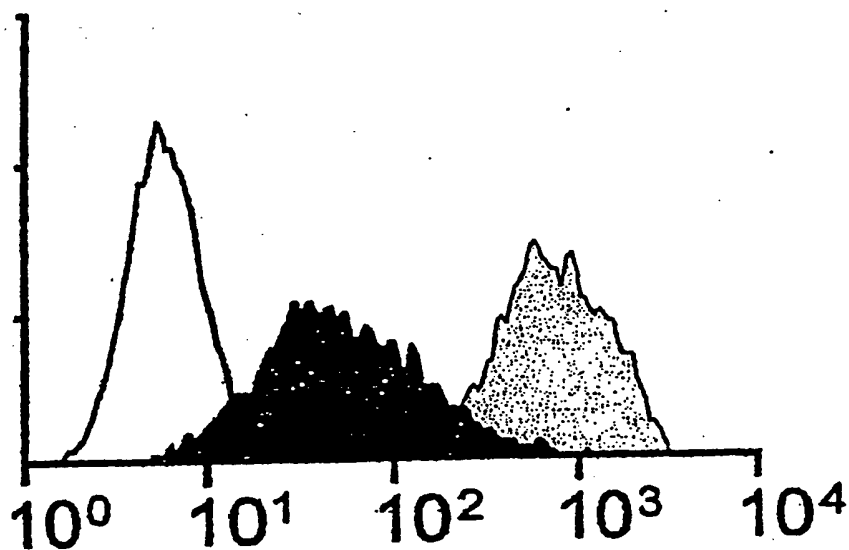


Figure 11b

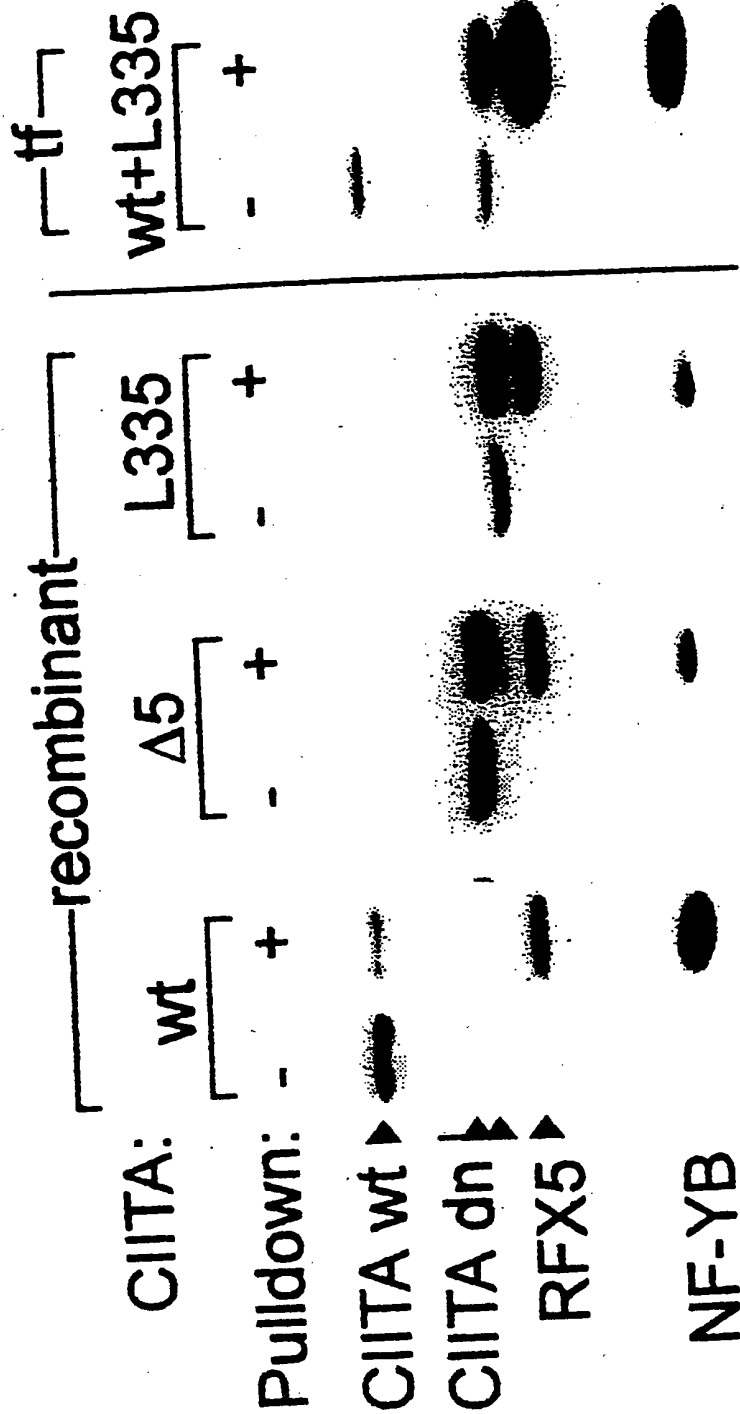


Figure 11c

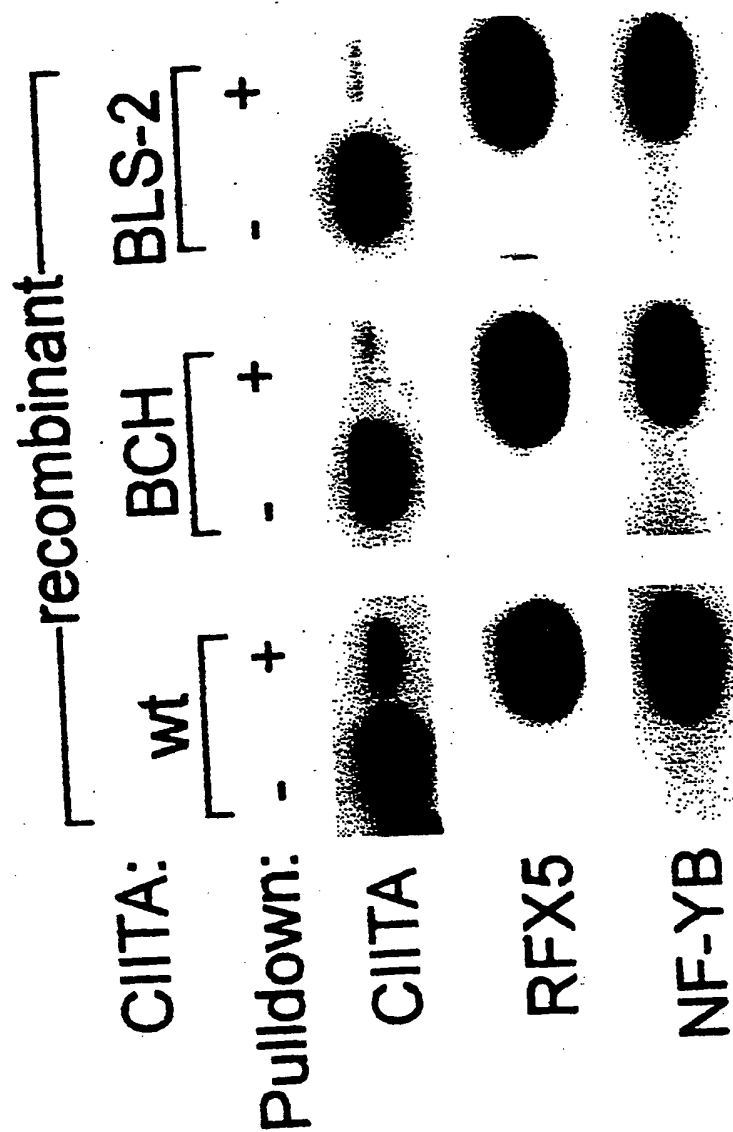


Figure 11d